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Describes the irregularity in the order of molt in the Kingfisher, first, we believe, pointed out by the reviewer in 1898.

On the Forms of *Parisoma subcaeruleum*. By O. Graf Zedlitz.—*P. s. ansorgi* (p. 52) from Benguella, Africa, is described as new.

Journal für Ornithologie. 69, No. 2. April, 1921. [In German.]

On a Collection of Birds from West Usambara. By H. Grote.—Contains annotations on 133 species, the following being described as new, *Caprimulgus pectoralis guttifer* (p. 125).

On the Ornithology of North-eastern France. By L. Schuster.

On the Long-crested Turacous. By Reichenow.—Recognizes five forms.

Remarks on *Buteo vulpinus* By E. Stresemann.

The Question of Mimicry in Cuckoo's Eggs. By F. von Lucanus.—In the report of the February meeting of the German Ornithological Society Dr. Reichenow describes seven new forms *Arboricola collaris* (p. 263) Kuantung China; *Turtur logonensis* (p. 263) Bekaba, East Cameroon; *T. kafuensis* (p. 264), Namwala, S. Africa; *T. capricola suahelicus* (p. 264), East Africa; *Alseonax murina grotei* (p. 264), East Cameroon; *Apalis niassae* (p. 264), Langenburg, Niassa, and *A. namensis* (p. 264), Bosum, East Cameroon.

One description consists of a line and a half, the only character being "brown of the upper parts paler" than in an allied form. Others are equally careless. No types are mentioned and rarely any indication of the material at hand.

Aquila. XXVII. 1920. [In Hungarian and German.]

Consists largely of an account of the life and works of Nicolas Zeyk. By Jacob Schenk, with a publication of some of his manuscripts.

Bird Notes. IV, No. 2. February, 1921.

Field Notes from Mashonaland. By Guy Falkner.

Observations on Some Hybrids of the Ploceidae. By A. De Coux.

Numerous admirable articles on aviaries in this and other recent issues.

Ornithological Articles in Other Journals

Baxter, E. V. and L. J. Rintoul. The Pintail as a Scottish Breeding Species. (Scottish Naturalist, March-April, 1921, No. 111-112.)—A full resumé of occurrences.

Harper, R. M. Geography of Central Florida. (Thirteenth Annual Report, Florida Geol. Survey, 1921.)—The bird matter is brief and compiled.

Pohlman, A. G. Have Birds an Acute Sense of Sound Location? (Science, May 6, 1921.)—It would seem that birds have great acuteness in hearing and also a definite ability in determining the direction of the sound source.

Shufeldt, R. W. Life History of the Black Skimmer or Scissor-Bill.

(Nature Study Review, April, 1920.)—This number of the Review is full of information on bird study.

Beck, Rollo H. Bird Collecting in the Highlands of Santo Domingo. (Natural History, XXI, No. 1, January–February, 1921.)—An extremely interesting article on the interior of the island.

Blaauw, F. E. Days with the Birds of Tierra Del Fuego. (Ibid.)—Beautifully illustrated account of the recent visit to southern Paragonia.

Chapman, F. M. Courtenay Brandreth's Bird Paintings. (Ibid.)—Reproductions of some of the artist's beautiful paintings and comments thereon. If those who set out to paint birds would read Dr. Chapman's article they would profit materially—or give up the attempt. As he truly says the painter of birds must know and study the bird in life until he is thoroughly familiar with each species—its own special traits actions, disposition, etc. And yet how often do we see the attempt made with nothing but a badly mounted specimen as a foundation!

Mershon, W. B. The Dance of the Sand Hill Crane.—(Michigan Tradesman, April 1, 1921.)—Interesting account of the weird performance of these birds in Kidder Co., N. Dakota, about 1889.

Bangs, O., and Penard, T. E. (1) *Lophotriccus* versus *Cometornis*. (Proc. Biol. Soc., Washington, 34, p. 78, March 31, 1921.)—Owing to an earlier overlooked citation of type for the former genus, the changes recently proposed by these authors become unnecessary and *Lophotriccus* and *Calopteryx* remain as previously recognized. (2) A new name for *Pachyrhamphus polychopterus costaricensis* Chubb.—*P. p. talantulus* is proposed. (Ibid. p. 78.)

Oberholser, Harry C. *Textor* Temminck versus *Alecto* Lesson. *Hyphantornis* Gray becomes *Textor* Temminck. (Ibid. p. 79.)—An earlier use of *Textor* for another species (*Oriolus cucullatus* Müller) makes these changes apparently necessary.

Oberholser, Harry C. *Mutanda Ornithologica* X. (Ibid, pp. 49–50) *Petrophila erythrogastra* (Vig.) becomes *P. rufiventris* (Jard. and Selby); *Iole philippensis* (Gm.) becomes *E. gularis* (Pucheran); *Erythrura tricolor* (Vieill.) becomes *E. forbesi* (Sharpe); *Spermospiza guttata* (Vieill.) becomes *S. pustulata* (Voigt.) and *Estrilda cinerea* (Vieill.) becomes *E. troglodytes* (Licht.); the names as originally proposed being in all cases homonyms.

Oberholser, H. C. A Revision of the Races of *Dendroica auduboni*. (Ohio Jour. of Science, XXI No. 7, May, 1921.)—Dr. Oberholser recognizes four races of Audubon's Warbler, dividing *auduboni* of previous writers into two forms, the more eastern of which is described as new *D. a. memorabilis* (p. 243), type from Ward, Colo. *D. a. nigrifrons* Brewster and *D. a. goldmani* Nelson are the other races, the former being restricted to the Huachuca Mts., so far as the United States is concerned, though ranging south in Mexico and the latter found only in Guatemala.

Incidentally Dr. Oberholser refers to the type of *D. auduboni* as "now in the United States National Museum." As a matter of fact it is, as it

always has been in the collection of the Academy of Natural Sciences of Philadelphia as definitely stated, Proc. Acad. Nat. Sci., Phila., 1899, p. 14. The conclusions there arrived at have never been questioned and it seems rather late in the day to set up a claim that the duplicate specimen in Washington is the type and decidedly misleading to make the positive statement that it is so without even a reference to the previous type determination.

Foster, Nevin H. Birds' Songs at Hillsborough, Co. Down. (Irish Naturalist, February, 1921.)—Dates of song periods.

Wait, W. E. The Owls and Diurnal Birds of Prey. Found in Ceylon. (Spolia Zeylanica, XI, Pls. 43-44, March, 1921, pp. 317-380.)—Detailed descriptions, keys and accounts of habits.

Wait, W. E. Occurrence of *Hypolais caligata* in Ceylon. (Ibid, p. 406.)

Baker, E. C. Stuart. The Game Birds of India, Burma and Ceylon. (Jour. Bombay Nat. Hist. Soc., XXVII, No. 2.)

Baker, E. C. Stuart. Birds of the Indian Empire. (Ibid.)—A Hand List, which is most welcome in view of the proposed "Systema Avium" and the fact that it is twenty-two years since a comprehensive list of Indian birds appeared. The present instalment covers the Corvidae, Paridae, Paradoxornithidae and Turdoididae.

Donald, C. H. The Birds of Prey of the Punjab. (Ibid.) (Continued.)

Whistler, Hugh. Some Notes on the Genus *Caprimulgus* in the Punjab. (Ibid.)—A valuable paper on the occurrence and habits of the species with critical notes on their characters.

Chubb, C. On New Forms of South American Birds. (Ann. and Mag. Nat. Hist., Vol. 7, No. 38, Feb., 1921.)—*Microphila* (p. 192) is proposed as a new genus for *Sporophila castaneiventris* Cab., and *Duncanula* (p. 193) for *S. homochroa* Sclater. *D. duncani* (p. 193), *Sporophila longipennis* (p. 193), *S. gutturalis roraimae* (p. 193) and *Pseudochloris roraimae* (p. 194); all from Mt. Roraima, British Guiana, are described as new.

Chisholm, A. H. Bowers and Playgrounds. (Queensland Naturalist, January, 1921.)—A plea for more study of the Bower birds.

Van Someren, V. G. L. On a Collection of Birds from Turkanaland. (Jour. E. Africa and Uganda Nat. Hist. Soc., No. 16, February, 1921.)—186 species, with list of specimens and critical notes.

Rendahl, Hjalmar. A List of the Birds of the Pearl Islands, Bay of Panama. (Arkiv. f. Zoologi, XIII, No. 4, 1920.)—Notes on one hundred species collected by Dr. C. Bovallius in 1882 for the University of Upsala.

Rochon, Duvigneaud, A. The Vision and the Eye of Birds. (Bull. Biologique de la France et Belgique, LIV, No. 2, January, 1921.)—An extended discussion of the morphology, physiology, etc., of the birds' eye. [In French].

Laubmann, A. Bird Life on the Elbsea at Aitrang in Allgäu. An

Ecological Study. (Archiv f. Naturgeschichte, LXXXV. A, Heft 12, 1919, December, 1920.) [In German].

Norton, A. H. Our Stormy Petrels. (The Maine Naturalist, I, No. 1, April 25, 1921.)—An account of the habits of Leach's and Wilson's Petrels, the two occurring off the Maine coast.

Shufeldt, R. W. Young Birds and Birds Eggs. (American Forestry, April, 1921.)—Illustrated by many half-tones from photographs.

Criddle, Norman. Birds in Relation to Insect Control. (Canadian Field Naturalist, November, 1920)—A valuable and suggestive paper. In connection with the great danger attaching to systematic extermination of almost any species attention is directed to "crow shoots" so popular in recent years and largely fostered by the manufacturers of ammunition. In an agricultural area in which the crows had been nearly wiped out an outbreak of grasshoppers did great damage while in other sections crows gathered in numbers and acted as a distinct check.

Lloyd, Hoyes. The Duck Specimens Recorded as Labrador Ducks in Dalhousie College, Halifax, Nova Scotia. (Ibid)—The female of the mounted pair proves to be our American Scoter. There are therefore only 39 specimens known to be in existence, 1 in Canada, 26 in the United States and 12 in Europe.

Wright, A. H. and S. E. R. Simpson. The Vertebrates of the Otter Lake Region, Dorset, Ontario. IV. The Birds. (Ibid.)—Annotated list of 122 species.